Josep Silva

List of Publications by Year
in descending order

85	900	10	25
papers	citations	h-index	g-index

932766

580395

93	93	93	808
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on sleep assessment methods. PeerJ, 2018, 6, e4849.	0.9	196
2	A survey on sleep questionnaires and diaries. Sleep Medicine, 2018, 42, 90-96.	0.8	106
3	A vocabulary of program slicing-based techniques. ACM Computing Surveys, 2012, 44, 1-41.	16.1	102
4	A survey on algorithmic debugging strategies. Advances in Engineering Software, 2011, 42, 976-991.	1.8	39
5	Sleep assessment devices: types, market analysis, and a critical view on accuracy and validation. Expert Review of Medical Devices, 2019, 16, 1041-1052.	1.4	27
6	A Comparative Study of Algorithmic Debugging Strategies. , 2006, , 143-159.		25
7	A Survey of Algorithmic Debugging. ACM Computing Surveys, 2018, 50, 1-35.	16.1	22
8	Semi-Automatic Assessment of Unrestrained Java Code. , 2015, , .		21
9	Automatic assessment of Java code. Computer Languages, Systems and Structures, 2018, 53, 59-72.	1.4	21
10	An algorithmic debugger for Java. , 2010, , .		20
11	Dynamic Slicing Techniques for Petri Nets. Electronic Notes in Theoretical Computer Science, 2008, 223, 153-165.	0.9	19
12	Dynamic slicing based on redex trails. , 2004, , .		15
13	Using the words/leafs ratio in the DOM tree for content extraction. The Journal of Logic and Algebraic Programming, 2013, 82, 311-325.	1.4	15
14	Computational Modeling for Automatic Path Planning Based on Evaluations of the Effects of Impacts of UAVs on the Ground. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 181-202.	2.0	11
15	Combining algorithmic debugging and program slicing. , 2006, , .		10
16	Run-Time Profiling of Functional Logic Programs. Lecture Notes in Computer Science, 2005, , 182-197.	1.0	9
17	Automatic transformation of iterative loops into recursive methods. Information and Software Technology, 2015, 58, 95-109.	3.0	9
18	Subjective and objective sleep quality in elderly individuals: The role of psychogeriatric evaluation. Archives of Gerontology and Geriatrics, 2018, 76, 221-226.	1.4	9

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19	Using the DOM Tree for Content Extraction. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 98, 46-59.	0.8	8
20	Static Slicing of Rewrite Systems. Electronic Notes in Theoretical Computer Science, 2007, 177, 123-136.	0.9	7
21	Dynamic slicing of lazy functional programs based onÂredex trails. Higher-Order and Symbolic Computation, 2008, 21, 147-192.	0.3	7
22	Webpage Menu Detection Based on DOM. Lecture Notes in Computer Science, 2017, , 411-422.	1.0	7
23	A Program Slicing Based Method to Filter XML/DTD Documents. Lecture Notes in Computer Science, 2007, , 771-782.	1.0	7
24	Information Extraction from Webpages Based on DOM Distances. Lecture Notes in Computer Science, 2012, , 181-193.	1.0	7
25	Lightweight program specialization via dynamic slicing. , 2005, , .		6
26	SOC. , 2009, , .		6
27	State of the Practice in Algorithmic Debugging. Electronic Notes in Theoretical Computer Science, 2009, 246, 55-70.	0.9	6
28	Vehicle inductive signatures recognition using a Madaline neural network. Neural Computing and Applications, 2010, 19, 421-436.	3.2	6
29	Precise explanation of success typing errors. , 2013, , .		6
30	What Web Template Extractor Should I Use? A Benchmarking and Comparison for Five Template Extractors. ACM Transactions on the Web, 2019, 13, 1-19.	2.0	6
31	System Dependence Graphs in Sequential Erlang. Lecture Notes in Computer Science, 2012, , 486-500.	1.0	6
32	Speeding Up Algorithmic Debugging Using Balanced Execution Trees. Lecture Notes in Computer Science, 2013, , 133-151.	1.0	6
33	Fast narrowing-driven partial evaluation for inductively sequential programs. , 2005, , .		6
34	A New Hybrid Debugging Architecture for Eclipse. Lecture Notes in Computer Science, 2014, , 183-201.	1.0	5
35	Improving Offline Narrowing-Driven Partial Evaluation Using Size-Change Graphs. , 2006, , 60-76.		5
36	Fast narrowing-driven partial evaluation for inductively sequential programs. ACM SIGPLAN Notices, 2005, 40, 228-239.	0.2	5

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37	Lightening the Software Production Process in a CMM Level 5 Framework. IEEE Latin America Transactions, 2005, 3, 15-22.	1.2	4
38	Slicing XML Documents. Electronic Notes in Theoretical Computer Science, 2006, 157, 187-192.	0.9	4
39	A comparison of two different approaches for the damage identification problem. Journal of Physics: Conference Series, 2008, 124, 012017.	0.3	4
40	Generating a Petri net from a CSP specification: A semantics-based method. Advances in Engineering Software, 2012, 50, 110-130.	1.8	4
41	Static slicing of explicitly synchronized languages. Information and Computation, 2012, 214, 10-46.	0.5	4
42	TeMex. , 2015, , .		4
43	Dynamic slicing of concurrent specification languages. Parallel Computing, 2016, 53, 1-22.	1.3	4
44	Analyzing the learning process (in Programming) by using data collected from an online IDE. , 2017, , .		4
45	Page-Level Main Content Extraction From Heterogeneous Webpages. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-105.	2.5	4
46	Enhancing Declarative Debugging with Loop Expansion and Tree Compression. Lecture Notes in Computer Science, 2013, , 71-88.	1.0	4
47	An algorithm to generate the context-sensitive synchronized control flow graph. , 2010, , .		3
48	An optimal strategy for algorithmic debugging. , 2011, , .		3
49	XQuery optimization based on program slicing. , 2011, , .		3
50	Algorithmic debugging generalized. Journal of Logical and Algebraic Methods in Programming, 2018, 97, 85-104.	0.4	3
51	Semiautomatic generation and assessment of Java exercises in engineering education. Computer Applications in Engineering Education, 2021, 29, 1034-1050.	2.2	3
52	An Integrated Environment for Petri Net Slicing. Lecture Notes in Computer Science, 2017, , 112-124.	1.0	3
53	Preserving Sharing in the Partial Evaluation of Lazy Functional Programs. Lecture Notes in Computer Science, 2008, , 74-89.	1.0	3
54	A Technique for Information Retrieval from Microformatted Websites. Lecture Notes in Computer Science, 2010, , 344-351.	1.0	3

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55	Where You Sit Matters How Classroom Seating Might Affect Marks. , 2016, , .		2
56	Main Content Extraction from Heterogeneous Webpages. Lecture Notes in Computer Science, 2018, , 393-407.	1.0	2
57	Behaviour Preservation across Code Versions in Erlang. Scientific Programming, 2018, 2018, 1-42.	0.5	2
58	Tracking CSP computations. Journal of Logical and Algebraic Methods in Programming, 2019, 102, 138-175.	0.4	2
59	Site-Level Web Template Extraction Based on DOM Analysis. Lecture Notes in Computer Science, 2016, , 36-49.	1.0	2
60	Automatic Detection of Webpages that Share the Same Web Template. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 163, 2-15.	0.8	2
61	A Slicing Tool for Lazy Functional Logic Programs. Lecture Notes in Computer Science, 2006, , 498-501.	1.0	2
62	Web Template Extraction Based on Hyperlink Analysis. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 173, 16-26.	0.8	2
63	Towards CNC Programming Using Haskell. Lecture Notes in Computer Science, 2004, , 386-396.	1.0	1
64	An offline partial evaluator for curry programs. , 2005, , .		1
65	Forward slicing of functional logic programs by partial evaluation. Theory and Practice of Logic Programming, 2007, 7, 215-247.	1.1	1
66	Information Filtering and Information Retrieval with the Web Filtering Toolbar. Electronic Notes in Theoretical Computer Science, 2009, 235, 125-136.	0.9	1
67	A Practical Approach to Modeling and Extracting Information from Semantic Web Based on Microformats. , 2009, , .		1
68	A New Information Filtering Method for WebPages. , 2010, , .		1
69	Implementation of an Optimal Strategy for Algorithmic Debugging. Electronic Notes in Theoretical Computer Science, 2012, 282, 47-60.	0.9	1
70	Computer assisted self-assessment of programming code: A report on university students experience and opinion. , 2016, , .		1
71	In what order should i correct the exercises? Determining the evaluation order for the automatic assessment of programming exercises. , 2017, , .		1
72	Graph Generation to Statically Represent CSP Processes. Lecture Notes in Computer Science, 2011, , 52-66.	1.0	1

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73	Computing super reduced program slices by composing slicing techniques. , 2017, , .		1
74	Statistical Analysis of Students' Behavioral and Attendance Habits in Engineering Education. Educational Sciences: Theory and Practice, 2019, 19, 48-64.	2.6	1
75	ReverCSP: Time-Travelling in CSP Computations. Lecture Notes in Computer Science, 2020, , 239-245.	1.0	1
76	An algorithm to compare OO-conceptual schemas. , 0, , .		0
77	Ensuring the quasi-termination of needed narrowing computations. Information Processing Letters, 2007, 101, 220-226.	0.4	0
78	Special issue on Automated Specification and Verification of Web Systems. The Journal of Logic and Algebraic Programming, 2013, 82, 241-242.	1.4	0
79	An empirical analysis of the influence of classmates on the academic performance. , 2013, , .		0
80	The influence of students distribution on their grades. , 2013, , .		0
81	Automatic Testing of Program Slicers. Scientific Programming, 2019, 2019, 1-15.	0.5	0
82	Reversible CSP Computations. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1425-1436.	4.0	0
83	Slicing Unconditional Jumps with Unnecessary Control Dependencies. Lecture Notes in Computer Science, 2021, , 293-308.	1.0	0
84	Erlang Code Evolution Control. Lecture Notes in Computer Science, 2018, , 128-144.	1.0	0
85	Transforming Communicating Sequential Processes to Petri Nets. , 0, , .		0